EUROPA Documentation

This page provides in-depth documentation on understanding and using EUROPA. If you don't know where to start, or just want a quick overview of how to use EUROPA, take a look at the EUROPA Quick Start. You can also find an overview of the EUROPA framework and philosophy at EuropaBackground.

Reference Documents

- NDDL Reference
- Complete NDDL Grammar (for ANTLR)
- Constraint Library Reference
- API (TODO: add link to Doxygen/JavaDoc docs)
    - PSEngine This is also available in Java (we use SWIG to do the mapping automatically)
    - Assemblies : StandardAssembly, SolverAssembly

Configuration

- Logging
- Built-in Solver
- NDDL Parser

Development Tools

- makeproject
- PSDesktop
- PlanWorks
    - PlanWorks Tutorial
    - PlanWorks.cfg Reference
- Low-level debugging:
    - Stepping and Writing
    - Debug Output Management
    - Timelines
    - The Token Network
    - The Constraint Network
    - Metric Resources
    - Common Debugging Scenarios

Architecture

- Overview
- How to embed EUROPA in an application
- Propagation Services
- Plan Database Services
- Modeling Services
- Problem Solving Services
- Ancillary Modules

How to Extend EUROPA

- Adding a Constraint
- Adding a Listener
    - TODO! Entries for different listener types
- Extending the built-in solver
    - Adding a Flaw Filter
    - Adding a Flaw Handler
    - Adding a Flaw Manager
- Building your own Solver

Miscellaneous

- Glossary
- References